Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Saturday 05 Mar 2022 until 23:59 on Sunday 06 Mar 2022

Forecast Issued on Friday 04 Mar 2022 at 12:06

Confidence: High for mainly dry conditions and strengthening winds next week. Medium for cloud details from Monday.

Headline for Saturday 05 Mar 2022: Dry and bright with sunny spells. Cold northeast winds.

Mountain weather hazards on Saturday 05 Mar 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
FOG							
Fog	Clear night	Sunny	Sunny	Sunny	Sunny intervals	Clear night	Clear night
Precipitation probability							
00%	00%	00%	00%	00%	00%	00%	00%

Forecast for Saturday 05 Mar 2022

Weather: Patchy summit cloud possible overnight, but dry and mainly clear. A few mist patches possible in the valleys around dawn, otherwise bright with good spells of sunshine. However, it will feel cold in the brisk northeasterly winds at height. Dry with patchy cloud or clear skies in the evening.

Chance of cloud-free hill tops above 800m: 95%

Low cloud and visibility: No significant cloud expected. Visibility very good or excellent apart for any early mist patches.

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Met Office Mountain Weather Forecast

Forecast for Saturday 05 Mar 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	22/26 NE	27/33 N	30/36 N	32/39 NE	27/36 NE	27/36 NE	26/32 NE	26/33 NE	23/28 NE
600	14/19 NE	19/26 N	19/27 N	19/26 N	23/31 NE	23/33 NE	20/29 NE	18/26 NE	15/22 NE
300	5/15 N	7/19 N	8/23 N	8/23 N	12/28 N	12/28 NE	8/23 NE	6/20 NE	4/17 NE
Valley	7/17 N	9/22 N	12/27 N	11/25 N	12/26 NE	11/25 NE	7/20 NE	6/19 NE	7/18 NE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-2/-9	-3/-11	-3/-12	-3/-12	-2/-10	-0/-8	-2/-9	-3/-11	-3/-10
600	-0/-6	-1/-7	-2/-8	-1/-8	1/-6	2/-4	1/-6	-1/-7	-1/-7
300	2/-0	1/-2	0/-4	2/-2	4/0	5/1	3/-0	1/-2	0/-2
Valley	4/2	4/0	3/-2	4/0	6/3	8/5	6/3	4/1	3/0
Freezing Level*	600m	500m	300m	300m	500m	600m	500m	500m	500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Cold winds and a significant wind chill at height.

Forecast for Sunday 06 Mar 2022

Weather: A few early mist and freezing fog patches possible in the valleys. Otherwise a dry and bright day with sunny spells, although more in the way of cloud in the afternoon. Mainly light winds. Frost early and later in the day.

Maximum wind: East or Northeast 10 to 15mph.

Chance of cloud-free hill tops above 800m: 95%

Low cloud and visibility: No significant cloud expected. Visibility mainly very good apart from any early mist and freezing fog.

Temperature: **Valleys:** Minus 2 Celsius rising to plus 8 Celsius early afternoon.
At 800m: Minus 3 Celsius rising to plus 1 Celsius early afternoon.
Freezing level: Rising to near the summits early afternoon, but most levels early and later in the day.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Friday 4 March 2022 Location: Helvellyn summit at 12:35 Full report: Fresh, soft snow has settled above 750m. Depth rises with height from little at 750m to drifts of up to 15cm at 900m. Often, especially on south and west facing aspects, this lies on what was bare ground. However, in sheltered spots and hollows and on steep north and east facing slopes the fresh soft snow has settled on the patches of old, hard snow that have been present for weeks, and these two layers have not bonded. In addition, on popular routes above 700m the fresh snow can hide patches of ice created by walker's boots compacting old snow creating an obvious slippery hazard on paths. Although there was some rime ice on rocks, there was little verglas (thin ice) on rocks and paths. However, with an overnight frost forecast, walkers out on the fells on Saturday should expect, and be prepared to encounter, ice and, above 750m, for the fresh, soft snow to harden and, where it has thawed during Friday, for ice to form. At the top of some snow covered north and especially east facing slopes there are some overhangs – ie cornices. Although small it is a steep drop beneath them, so please keep completely off any such snow covered edges and advise those with less experience to do likewise. There was quite a contrast today between the Spring-like valleys and the winter conditions above 750m with the summit temperature below freezing and the windchill (what the temperature feels like) well below, so full winter clothing (waterproofs, extra warm layers, hat and gloves), mountain boots (not trainers) and equipment - including torch, map & compass and the ability to use them - are all essential for those going onto the fells. For those venturing above the snowline and attempting exposed routes or ones that necessitate crossing or climbing steep snow slopes – such as Striding and Swirral Edges which both have banks of deep, steep unavoidable snow guarding their exits - an ice axe is essential and crampons must be carried in case hard snow and ice is encountered, which it probably will be on Saturday. Microspikes and walking poles are recommended for anyone going above the snowline owing to the amount of ice likely to be on paths following the overnight frost. Climbers:- although there is some fresh snow, it is currently soft so please check that routes are in condition before attempting them to avoid damage to rare alpine plants. Temperature: minus 0.8 C Maximum wind speed 20.5 mph Wind chill: minus 8.2 C, Average wind speed: 9.7 mph

Issued at: 1206 on Fri 04 Mar 2022

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